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Illinois Environmental Protection Agency

156542



2200 Churchill Road, Springfield, Illinois 62706 217/782-5562

FOR IMMEDIATE RELEASE
For St. Clair, Madison and
Monroe Counties and St. Louis
Media

CONTACT: John Muraro
EPA 217-80

1487**80

IEPA, Monsanto
complete tests
of Dead Creek

SPRINGFIELD, IL., Nov. 21 -- The Illinois Environmental Protection Agency today released the results of cooperative sampling and analysis of soil in the bed of Dead Creek, Cahokia-Sauget. The tests were carried out by IEPA and the Monsanto Chemical Company.

The results are based on three soil samples taken by each on October 2, in the creek bed between Queeny Road and Judith Lane plus a water sample from an adjacent private well. The soil samples were taken at the northern, central and southern portions of the creek bed.

James Kelty, chemist for IEPA's Emergency Response Unit, said, "The soil samples were analyzed for polychlorinated biphenols (PCB's) and total phosphorous, while the water sample was tested for PCB's".

"There is excellent analytical agreement in the results considering the variations in distribution found in contaminated soil and the recognized differences in analytical procedures."

-OVER-



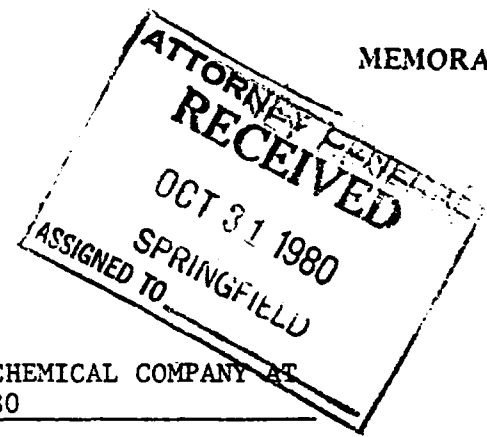
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: October 27, 1980

TO: FILE

FROM: Jim Kelty

SUBJECT: COOPERATIVE SAMPLING BETWEEN IEPA AND MONSANTO CHEMICAL COMPANY AT
DEAD CREEK, CAHOKIA, ILLINOIS, ON OCTOBER 2, 1980

On October 2, 1980 Jim Kelty and Geoff Langley of the Illinois Environmental Protection Agency and Paul Heisler and Dick Sinise of Monsanto Chemical Company jointly sampled three soil areas in Dead Creek between Queeny Road and Judith Lane. Also sampled was the private well at Theresa's Greenhouse, 101 Walnut Street, Cahokia, Illinois. It was agreed to analyze the three soil samples for PCB's and total phosphorous, and the well sample for PCB's only.

The following are the results obtained by the Illinois EPA:

<u>SAMPLE SITE</u>	<u>PCB's</u>	<u>TOTAL PHOSPHOROUS</u>
1) Soil 40 yards south of Queeny Road labeled "N"	10,000	5000
2) Soil Sample labeled "C" taken 268 steps south of sample "N"	350	160,000
3) Soil Sample labeled "S" taken 270 steps south of sample "C"	73	93,000
4) Water Sample taken from private well at 101 Walnut Street, Cahokia, Illinois	N.D.*	N.A.**

*None Detected (lower detectable limit for PCB's in water is 0.1 PPB).

**Sample not analyzed for phosphorous.

JK:jks

DEAD CREEK SAMPLING BEGINNING 9/23/80.

PRIVATE WELL
113 JUDITH LN.

(WATER)

9/23/80

96 YDS. S. OF QUEENY AVE (SOIL)

9/25/80

120 YDS. S. OF QUEENY AVE (SOIL)

30 YDS. N OF JUDITH LN. (SOIL)

DRAINAGE CUT & POND
& DITCH

(SOIL)

POND SEDIMENT NEAR
DRAINAGE CUT

(SOIL)
~~(WATER)~~

POND SEDIMENT NW
CORNER OF POND

(SOIL)

10 YDS N OF CHOKIA ST. (SOIL)

10 YDS S OF CHOKIA ST. (SOIL)

(SOIL)

45 YDS N OF CHOKIA ST. (WATER)

10 YDS S OF CHOKIA ST. (WATER)

(WATER)

10 YDS S OF CHOKIA ST. (SOIL)

(SOIL)

10 YDS S OF CHOKIA ST. (SOIL)

(SOIL)

(2)

3) BEANS FROM 1st Row AT
S. EDGE OF HANKINS FIELD

(VEG.)

9/25/80

4) AIR FROM N. END
10 YDS. S. OF QUEENY
UNDISTURBED SOIL

(AIR)

10-2-80

5) AIR FROM N. END
40 YDS S. OF QUEENY
~~SEA~~ DISTURBED SOIL

(AIR)

10-2-80

6) AIR FROM S. END
60 YDS. N. OF JUDITH LN.
UNDISTURBED SOIL

(AIR)

10-2-80

7) AIR FROM S. END
60 YDS. N. OF JUDITH LN.
DISTURBED SOIL

(AIR)

10-2-80

8) AIR FROM S. END
60 YDS. N. OF QUEENY AVE.

(AIR)

10-2-80

9) AIR FROM S. END
60 YDS. N. OF QUEENY AVE.
DISTURBED SOIL

(AIR)

10-2-80

10) AIR FROM S. END
60 YDS. N. OF QUEENY AVE.

(AIR)

10-2-80



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: October 6, 1980

TO: Dead Creek File

FROM: Geoff Langley *GL*

SUBJECT: SOIL SAMPLING TECHNIQUE - MONSANTO/IEPA

This memo is to verify the sampling technique employed October 2, 1980 on the joint Monsanto/IEPA soil sampling on Dead Creek in Cahokia.

At 2:00 p.m. October 2, 1980 Jim Kelty, and myself met Mr. Paul Heistler and Richard Sinise at the Sauget Municipal building. We then proceeded to the Northern sampling point located 40 yards south of Queeny Avenue in Dead Creek.

The procedure used to excavate the soil was to dig an 18 inch square area to a depth of four inches. A shovel was used and scraped cleaned before use at another sampling point. The dirt was then granulated with the flat end of a pick and thoroughly mixed. Samples were collected with the flat end of the pick and placed into the glass jars with the sampler wearing plastic gloves. Samples were taken from soil as close as possible to ensure similar concentrations of possible contaminants.

In an effort to ascertain sampling location, the distance from the last sampling area was stepped off by both IEPA and Monsanto. In all three locations were sampled.

Two samples were taken at each sampling point for each party. The IEPA utilized 8 oz. sampling bottles and will run organic and inorganic analysis. Monsanto personnel used 16 oz. sample bottles and will test for PCB's and phosphorus.

In total 3 points were sampled at the north, central and southern portion of the ditch. It is expected that the results should be available by October 16 from each party respective laboratory.

GAL:jks



DATE: September 29, 1980

TO: John Renkes

FROM: Jim Kelty

SUBJECT: IEPA and MONSANTO CHEMICAL COMPANY COOPERATIVE SAMPLING PROGRAM IN DEAD CREEK, SAUGET/CAHOKIA.

The purpose of this memo is to outline a program for joint sampling and analyses between the IEPA and Monsanto Chemical Company in Dead Creek.

- 1) Sampling will be done on October 2, 1980, beginning at approximately 2:00 p.m. and will be conducted by IEPA, ERU Personnel and Monsanto Chemical Company Representatives.
- 2) Soil samples will be taken from the north, central, and south areas of the ditch from sites previously determined by the IEPA to be contaminated.
- 3) Samples will be split and submitted to respective laboratories for elemental analysis and also organic analysis for PCB's and other chlorinated hydrocarbons. Laboratory procedures will be exchanged.
- 4) Laboratory results should be completed by October 16, 1980, at which time a meeting can be scheduled for the purpose of comparing and discussing results.
- 5) It is requested that all results be kept confidential until such a time that it is mutually agreeable to make them public.

JK:jks



Illinois Department of Transportation

Division of Highways/District 8
9300 St. Clair Avenue/Fairview Heights, Illinois/62208

RECEIVED

SEP 29 1980

IEPA-DAPC-SFELD

September 25, 1980

Mr. Jim Kelty
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706


Dear Mr. Kelty:

Please be advised the Illinois Department of Transportation maintenance forces have completed the erection of snow fence in the vicinity of Dead Creek as of September 23, 1980.

Realizing the sensitivity of the situation in this area, I feel it necessary to point out that a few residents have, on at least two occasions, removed sections of the fencing to dump trash in the creek. These sections have been replaced but it will not be feasible for our forces to continue this practice of maintenance in the future.

Very truly yours,

Dale L. Klohr
District Engineer


Edward L. Ellicott
District Maintenance Engineer

ELE:pjm